

## **In the Abstract**

In one embodiment, An an imaging device is provided that generates and transfers an image to a print media. A bias voltage is applied to a fuser to charge the fuser where the fuser bias voltage is affected by the print media contacting the fuser. An image is fused to the print media with the fuser and the fuser bias voltage is measured. Whether the print media is in the fuser can be determined based on the measured fuser bias voltage. A fuser fuses the image to the print media through a process of heat and pressure. The fuser is charged with a voltage to reduce toner particles from being attached to the fuser. When the print media contacts the fuser, its current path is altered causing the voltage of the fuser to change. A fuser sensor measures the voltage of the fuser and based on the measured voltage, the imaging device can determine whether a print media is in the fuser. In the event of a malfunction such as a paper jam, the device can determine the location of the paper at least in part by the measured fuser voltage.